

Applicants : Jeremy J. Gauthier et al

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In the Claims

Please amend the claims as set forth in the following pages.

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CLAIMS

1. (previously presented) An articulating head restraint comprising:

a bracket, the bracket having a slot;

an armature contained within the bracket, the armature having a first armature end and a second armature end, and the first armature end resides within a bracket hole and the second armature end resides within a slave bracket hole;

a cam having a lock acumination and a stop acumination, the cam fixedly attached to the armature;

a slide attached to the bracket, the slide moveable within the slot to a locked position so that, when the slide is in the locked position, the lock acumination is in contact with the slide thereby preventing rotation of the armature, where the slide has an unlocked position such that when the slide is in the unlocked position, the lock acumination is not in contact with the slide;

a torsion spring circumferentially disposed about the armature and configured so as to apply a torque on the armature tending to move the armature to a stowed position;

at least one rod for attaching a bun;

a coil spring attached to the bracket and to the slide and configured so as to tend to pull the slide to the locked position; and

a cable attached to the slide and configured such that a force applied to the cable will tend to pull the slide to the unlocked position.

2.-7. (cancelled)

8. (original) The articulating head restraint of claim 7 further comprising a tab located in the bracket, the tab configured so as to receive a first end of the torsion spring.

9. (original) The articulating head restraint of claim 8 further comprising:
a first rod attached to the armature;
a second rod attached to the armature; and
a second end of the torsion spring, the second end of the torsion spring attached to the second rod.

10. (original) The articulating head restraint of claim 9 further comprising a first Teflon bearing located within the bracket hole and a second Teflon bearing located within the slave bracket hole.

11. (original) The articulating head restraint of claim 10 further comprising a stop rivet attached to the bracket such that the stop acumination will strike the stop rivet to prevent rotation of the armature in a first direction.

12. (original) The articulating head restraint of claim 11 where the coil spring is attached to the bracket.

13. (original) The articulating head restraint of claim 12 further comprising a cable rivet, the coil spring attached to the slide by the cable rivet.

14. (original) The articulating head restraint of claim 13 further comprising a cable attached to the cable rivet.

15. (original) The articulating head restraint of claim 14 further comprising a washer, the washer attached to the slide.

16. (original) The articulating head restraint of claim 15 further comprising a slave bracket, the slave bracket containing the slave bracket hole, the slave bracket fixedly attached to the bracket.

17.-22. (cancelled)

23. (previously presented) An articulating head restraint comprising:

- an armature having a first armature end and a second armature end;
- a torsion spring circumferentially disposed about the armature;
- a bracket, the bracket having a slot and a bracket hole;
- a slave bracket, the slave bracket having a slave bracket hole;
- a cam attached to the armature, the cam having a lock acumination and a stop acumination;
- a slide moveable within the slot from a locked position to an unlocked position, such that when the slide is in the locked position, the lock acumination is in contact with the slide such that the cam is prohibited from rotating, thereby preventing the armature from rotating;
- a coil spring, the coil spring tending to move the slide to the locked position;
- a cable, the cable attached to the slide such that when a force is applied to the cable, the slide tends to move to the unlocked position; and
- a stop rivet for prohibiting motion of the armature, and the stop acumination is arranged to contact the stop rivet to prohibit motion of the armature.

24.-27. (cancelled)

28. (previously presented) The articulating head restraint of claim 23 further comprising a tab, the tab connected to the bracket, the torsion spring having a first torsion spring end, where the first torsion spring end is attached to the tab.

29. (original) The articulating head restraint of claim 28 further comprising a first rod and a second rod are attached to the armature, and the torsion spring is attached to the second rod.

30. (currently amended) An articulating vehicle head restraint comprising:

- a bracket;
- an armature contained within the bracket, the armature having a first end;
- a cam having a lock acumination, the cam fixedly attached to the armature;
- a moveable locking element for engagement with the lock acumination to prevent rotation of the armature,
- a torsion spring circumferentially disposed about the armature;
- a rod for attaching a bun, the rod directly attached to the armature; and
- a second spring attached to the bracket and to the moveable locking element for urging the moveable locking element into engagement with the lock acumination

31. (previously presented) The articulating vehicle head restraint of claim 30 where the cam is proximal to the rod.

32. (previously presented) The articulating vehicle head restraint of claim 31 where the armature has a first end, and the cam is located between the first end and the torsion spring.

33. (previously presented) The articulating vehicle head restraint of claim 32 where the rod is located between the first end and the torsion spring.

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34. (previously presented) The articulating vehicle head restraint of claim 33 further comprising a cable attached to the moveable locking element and configured such that a force applied to the cable will tend to disengage the moveable locking element from the lock acumination.

35. (previously presented) The articulating vehicle head restraint of claim 34 where the torsion spring is positioned proximal to the rod.